

In the Claims:

Please cancel claims 30 and 31, without prejudice, add new claims 33-42, and amend claim 16 as follows:

1-15. (Canceled)

16. (Currently amended) A method of making a magnetic disk, comprising the steps of:

coating a disk surface with a lubricating layer comprising molecules having a photocrosslinking functional group; and ~~a non-polar endcap group;~~

causing a crosslinking in said molecules by applying an optical radiation to said lubricating layer,

wherein said step of causing said crosslinking is conducted by applying a substantially monochromatic far-ultraviolet radiation with a wavelength corresponding to an absorption wavelength of said photocrosslinking functional group as said optical radiation;

wherein said lubricating layer is excited optically in an ambient containing oxygen with a concentration of 10ppm or less.

17. (Previously presented) A method as claimed in claim 16, wherein said far-ultraviolet radiation has a half-height width of 15nm or less.

18. (Original) A method as claimed in claim 16, wherein said photocrosslinking functional group is selected from the group consisting of: an alkenyl group, an alkenyl halide group, an aryl halide group, an aryl azide group, piperonyl group and epoxy group.

19. (Original) A method as claimed in claim 16, wherein said step of causing said crosslinking is conducted while applying heat to said lubricating layer.

20-31. (Canceled)

32. (Previously presented) A method as claimed in claim 16, wherein said lubricating layer is formed of a resin having a molecular weight of 1200 or more in terms of the molecular weight of polystyrene.

33. (New) A method of making a magnetic disk, comprising the steps of:

coating a disk surface with a lubricating layer comprising molecules having a photocrosslinking functional group; and

causing a crosslinking in said molecules by applying an optical radiation to said lubricating layer;

wherein said step of causing said crosslinking is conducted by applying a

substantially monochromatic far-ultraviolet radiation with a wavelength corresponding to an absorption wavelength of said photocrosslinking functional group as said optical radiation;

wherein there is provided a carbon film having a thickness of 8nm or less as an underlayer of said lubricating layer provided underneath said lubricating layer.

34. (New) A method as claimed in claim 33, wherein said far-ultraviolet radiation has a half-height width of 15nm or less.

35. (New) A method as claimed in claim 33, wherein said photocrosslinking functional group is selected from the group consisting of: an alkenyl group, an alkenyl halide group, an aryl halide group, an aryle azide group, piperonyl group, and epoxy group.

36. (New) A method as claimed in claim 33, wherein said step of causing said crosslinking is conducted while applying heat to said lubricating layer.

37. (New) A method as claimed in claim 33, wherein said lubricating layer is formed of a resin having a molecular weight of 1200 or more in terms of the molecular weight of polystyrene.

38. (New) A method of making a magnetic disk, comprising the steps of:

coating a disk surface with a lubricating layer comprising molecules having a photocrosslinking functional group;

causing a crosslinking in said molecules by applying an optical radiation to said lubricating layer; and

dipping said lubricating layer in a solvent;

wherein said step of causing said crosslinking is conducted by applying a substantially monochromatic far-ultraviolet radiation with a wavelength corresponding to an absorption wavelength of said photocrosslinking functional group as said optical radiation.

39. (New) A method as claimed in claim 38, wherein said photocrosslinking functional group is selected from the group consisting of: an alkenyl group, an alkenyl halide group, an aryl halide group, an aryl azide group, piperonyl group and epoxy group.

40. (New) A method as claimed in claim 38, wherein said step of causing said crosslinking is conducted while applying heat to said lubricating layer.

41. (New) A method as claimed in claim 38, wherein said step of causing said crosslinking is conducted while applying heat to said lubricating layer.

42. (New) A method as claimed in claim 38, wherein said lubricating layer is formed of a resin having a molecular weight of 1200 or more in terms of the molecular weight of polystyrene.